



**Pressure and Temperature
Recorders MODEL 2512**
Product Bulletin 2512

The Dri-Flo II pressure and temperature recorder provides a continuous record of pressure and/or temperature in most any process for both measurement and monitoring purposes. It allows the flexibility to measure any combination of one two or three process temperatures or pressures.



- DIRECTLY records pressure and temperatures – no external transducers required.
- Rugged Die Cast Aluminum case.
- Self Sustaining and ready to work – no external power supply required.
- Uses standard 12" circular charts and pens used by all major brands of recorders.
- Accepts up to three elements with three pens.

STATIC PRESSURE ELEMENTS

Static elements are 316 SST precision-wound helical tubes allowing for a high degree of accuracy, power and repeatability. Available in ranges of 25psig to 10,000psig, all ranges have mounting arrangements that are interchangeable with one another. Please call about the stainless steel bellows for sensing pressure lower than 25 psig and for other materials.

THERMAL SYSTEMS

The temperature element consists of a precision-wound bourdon tube, armored capillary tube, and sensing bulb. All parts are stainless steel and factory sealed. This high accuracy element is available in numerous ranges, and type VA, VB, or IA configurations with VB standard. 15 ft long capillary is standard with other lengths available on request.

CHARTDRIVES

DC powered intrinsically safe electric version with 11 switch selectable speeds is standard. Mechanical chartdrives are available with various rotation speeds. All are provided with a chart hub providing a simple but positive chart lock.

CASE

The DFII recorder case is NEMA 4X weatherproof, made of die-cast aluminum with polyurethane "silver-vein" powder coat for high resistance to weathering, scratches, and industrial fumes and liquids. The door is attached to the case with an aircraft type stainless steel hinge. A closed cell neoprene gasket provides seal between door and case while being non-absorbent to

fluids and resistant to solvents, oils and petroleum products.

MOUNTING

The standard mount is 2" pipe. Wall mount and portable (with legs and handle) configurations are also available.

CHARTS AND PENS

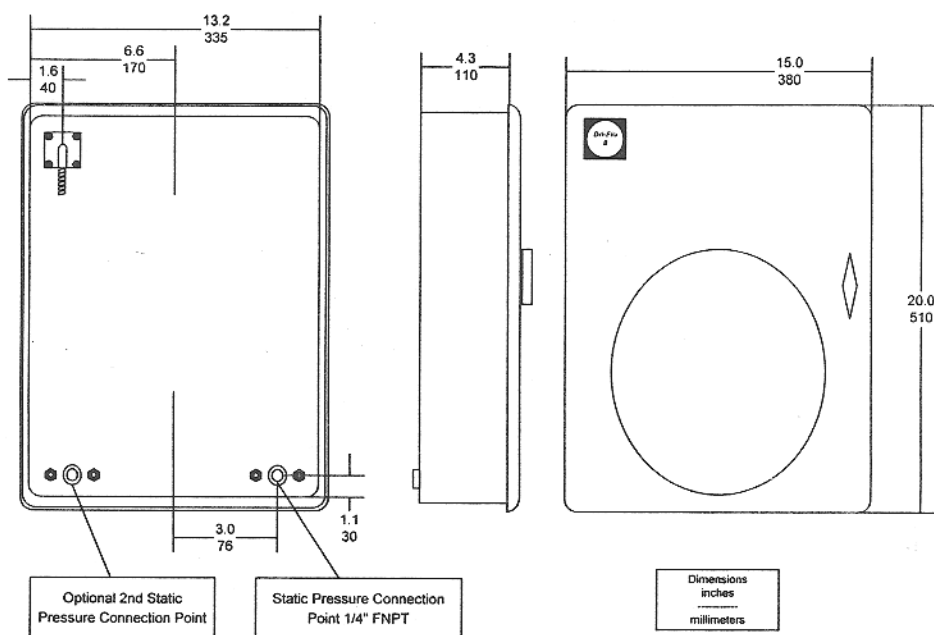
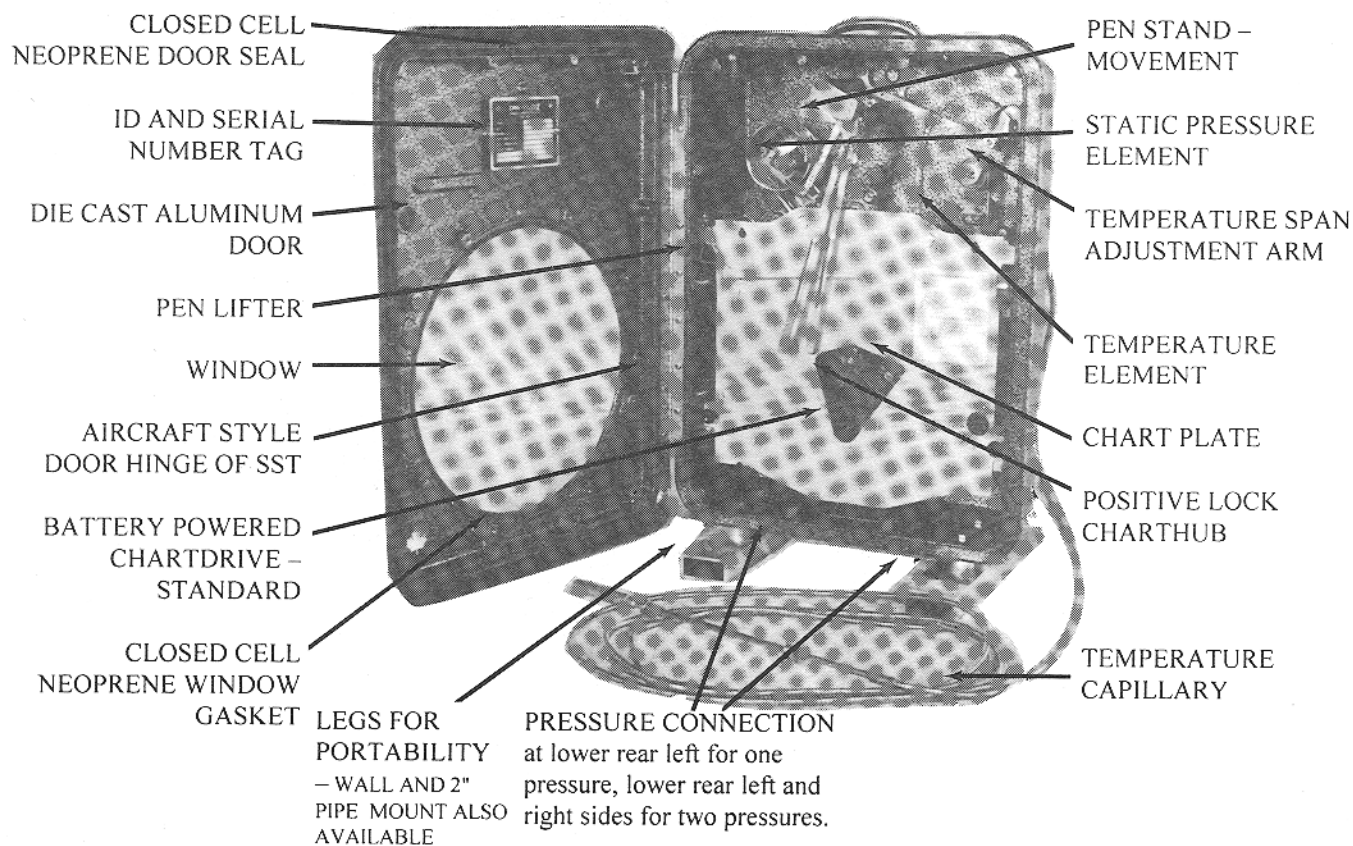
Dri Flo II recorders come complete with one box of 100 charts with each recorder. The standard pens we supply are the fibre tipped disposable type. Standard ink colors are: blue, red, and green, other colors are available. Refillable pen types are also available. Call for details.

RECORDING MECHANISM

All parts of the recording mechanism are made of stainless steel or corrosion resistant anodized aluminum for long operating life under tough field conditions. The pen stand and all linkage transfer points use ball pivots for minimal friction and maximum durability in vibratory field applications. All links allow linearity adjustments using a flat screwdriver. All drive arms and pen zero adjustments are micrometer adjustable using knurled thumb screws with flathead lock screws to ensure the recorder calibrates quickly and easily and stays in calibration for extended periods of time.

OPTIONS:

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| <ul style="list-style-type: none">• Mounting options: wall or portable (2" pipe standard)• Pen Type: V-tip or capillary pens (disposable standard)• Chartdrive: Mechanical types in speeds of 4 hours to 31 day in various models (11 speeds DC battery powered standard) | <ul style="list-style-type: none">• Capillary Lengths: up to 100 ft. (15 ft. Standard)• Temperature Ranges: 0-100 F, 0-200 F, 0-300 F, 0-400 F, 0-500F, 0-600 F (0-150 F standard)• Compensation Type: Class IA, VA (Class VB standard)• Window Type: Solid or lexan (glass standard)• Thermowells available for various pipe lengths and process connections sizes and styles- in 316 |
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SPECIFICATIONS*

ACCURACY	0.5 % of full scale
PRESSURE RANGES <small>Some ranges may not always be in stock for fast delivery</small>	0-25, 50, 100, 200, 250, 300, 500, 750, 1000, 1500, 2000, 2500, 3000, 4000, 5000, 6000, 7000, 10,000 PSIG Bellows Type: 3-15 and 6-30 psig (Can be calibrated to any unit of measure PSIG, PSIA, kPa, Bars, kg/cm ²)
TEMPERATURE RANGES	0-150 Deg F other ranges include but are not limited to: 0-200, 0-300, 0-400, 0-500, 0-600 Deg F (Can be calibrated in degrees C)
TEMPERATURE RANGE LIMITS	Class VA: -40 to +1200° F (self), -40 to +600° F (fully) Class VB -40 to +600° F
AMBIENT TEMPERATURE COMPENSATION	VB case compensated standard, VA fully OR SELF-compensated HG filled and factory sealed.
CHART SPEEDS <small>With standard chartdrive - CDS-820R011</small>	60 min, 96 min, 12 HR, 1D, 2D, 7D, 8D, 14D, 16D, 31D, 32D — call for other ranges available in various mechanical and DC powered chartdrives.
Case and Door Materials	Die Cast Aluminum powder coated and baked with polyurethane powder coat.

When ordering please specify:

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| <ul style="list-style-type: none"> • <u>Pressure Range(s)</u> • <u>Mounting</u>: pipe, portable or wall. • <u>Temperature Element</u>: case or fully compensated, capillary length and range(s). • <u>Thermowell</u> (if necessary): pipe or vessel size, process connection size. | <ul style="list-style-type: none"> • <u>Chartdrive type</u>: if other than battery programmable • <u>High Pressure Hose</u> (If Necessary): length • <u>Pen Type</u>: disposable, v-tip or capillary |
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The Dri Flo II standard warranty is available for inspection upon request.



Your Local Representative is:

Peterson Instruments
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Dri Flo II is a wholly owned subsidiary of Peterson Instruments

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*: Specifications subject to change without notice please call for the latest revisions.